

Government of Manipur  
Office of the Addl. Principal Chief Conservator of Forests  
(Climate Change & FCA)  
Sanjenthong, Imphal

No.7/297/2021/Forests/264

Imphal, the 13<sup>th</sup> July, 2023

To ✓  
The General Manager (P) NHIDCL, PMU-Noney.

Subject:- Diversion of 74.926 ha of forest land for "Widening and Improvement of Package-V of Imphal-Jiribam Road Section of NH-37 (NH-53) into two laning of existing of 103.557 km from Sangrung (Khongsang) village to 134.821 km near Pailon (Kambiron) Village in the state of Manipur by NHIDCL".

Sir,

With reference to the subject cited above, you are requested to make payment for cost of raising Avenue plantation, cost of felling/extraction of trees and boundary demarcation on the road side as given in the table below.

Sl. No.	Particulars	Amount	Remark
1.	Cost of raising Avenue plantation on the road side	Rs. 1,34,95,596	To be deposited into CAMPA account of the State concerned through e-portal ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ).
2.	Cost of felling of trees	Rs. 4,81,51,972	To be deposited in the account of DFO/Noney
3.	Cost of boundary demarcation of the diverted forest land.	Rs. 1,27,69,086	<b>Account Name/Operator: Divisional Forest Officer/Noney Forest Division</b> <b>A/c No. 03461100002711</b> <b>IFSC Code-PSIB0000346</b> <b>Punjab &amp; Sind Bank, Thangal Bazar</b>

Detailed estimates for cost of raising Avenue plantation on the road side, cost of felling/extraction of trees and cost of boundary demarcation is enclosed as ANNEXURE-I, II & III respectively.

Enclosed: As stated above.

Yours faithfully,

*Sphy*  
13/7/2023

(Soreiphy Vashum)

Addl. Pr. Chief Conservator of Forest/ APM  
Government of Manipur

Copy to:

1. The Divisional Forest Officer/Noney Forest Division, Government of Manipur.





Total cost for Single Row Avenue Plantation at Down Hill side for Package- V		
1	Creation of Single Row Avenue Plantation at Down Hill side	₹ 12698877.00
2	2nd year maintenance	₹ 228971.00
3	3rd year maintenance	₹ 205138.00
4	4th year maintenance	₹ 181305.00
5	5th year maintenance	₹ 181305.00
Total Cost		₹ 13495596.00

## 8. DURATION OF PROJECT


The duration of the plantation scheme shall be for 5 years. In the 1<sup>st</sup> year, layout of planting pits with geo co-ordinates, staking thereof with already prepared stacks of 75 cm long and 10 cm dia. with one end pointed, digging of planting pits of size 60cm x 60cm x 60cm or making of mounds of the size of pits at sunken portions, refilling with dug out soil after weathering and breaking clods or with imported alluvial or top soil at rocky areas wherever necessary including addition of manure, fertilizer and fungicide and insecticide will have to be made before rains. During next rainy season, planting out of saplings in the prepared pits, weeding, hoeing, mulching, replacement of casualties, providing of fencing and watering of every plant (wherever necessary) at required intervals of time will be taken up. In the next succeeding 5 (five) years maintenance of the plantation including weeding, hoeing, mulching, replacement of casualties and repairing of fencing will have to be taken up.

## 9. MODE OF IMPLEMENTATION

The project implementing authority (NHIDCL) shall arrange for implementation of this scheme through efficient, dependable, reliable organization as per the applicable guidelines and policy.

## 10. CONCLUSION

The avenue plantation along the proposed road section would ensure creation of a green corridor which would be ne fit the human community by providing direct and indirect benefits. And it will also support a wide variety of biodiversity of the region which have been branded as rare, endangered and threatened. The initiative of avenue plantation will add a value in the global efforts to mitigate and adapt the climate change phenomenon and would directly fulfill the National and State Action Plans on Climate Change.

  
Divisional Forest Officer  
Noney Forest Division  
Govt.



Detailed estimate for the Departmental extraction of 15560 Cum of timber from 74.926 Ha of forest land for NH37 Imphal-Jiribam for package V under Noney Forest Division

Sl.no.	Particulars	Unit	Qty	Rate	Amount(Rs)	Remarks	
1	Delimbing and conversion into logs	Cum	15560	500	7780000	Local Rate	
2	Loading into trucks for on road transportation	Cum	15560	155	2411800	Local Rate	
3	On road transportation upto	Cum	15560	2000	31120000	Local Rate	
4	Unloading and proper stacking of Timber	Cum	15560	155	2411800	Local Rate	
5	Cutting, Loading and transportation, unloading and stacking of Bamboo at Noney	nos	15000	150	2250000	Local Rate	
6	General Contingency				2178372		
					48151972		
(Rupees four crore eighty-one lakh fifty-one thousand nine hundred seventy two)							

  
Range Forest Officer (HQ)  
Noney Forest Division  
Government of Manipur

  
Divisional Forest Officer  
Noney Forest Division  
Government of Manipur



**Construction of 627 nos RCC Boundary pillars for demarcation of NH 37 package V Imphal-Jiribam at spacing of about 100 metre between two boundary pillars.**

Sl. No.	Item of works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
1	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottom lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed in Hard/Dense soil	0.576	Cum	260.05	149.79	MSR2022
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre.	0.192	Cum	171.67	32.96	MSR2022
3	a. Steel Reinforcement for RCC work i/c binding & Placing in position complete 10 mm @ 0.62 Kg/Rm.(Medium Tensile Steel bars)					
	b. Steel Reinforcement for RCC work i/c binding & Placing in position complete 6 mm @ 0.22 Kg/Rm.(Mild steel)					
	Sub total	12.508	Kg	88.99	1113.09	MSR2022
4	Providing form works i/c cantering & shuttering & propping etc. height of propping & cantering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in column, pillars, post and struts etc.	4.32	Sqm	777.92	3360.61	MSR2022
5	Reinforced cement concrete work in column, pillars, piers, abutments, posts & struts up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in 1:1.5:3 ( 1 cement: 1.5 coarse sand: 3graded stone aggregate 20 mm nominal size)	0.324	Cum	9811.18	3178.82	MSR2022
6	Finishing with 12 mm cement plaster 1:3 ( 1 cement : 3 fine sand) on rough surface.	2.1	Sqm	325.72	684.01	MSR2022
7	Applying one coat cement primer of approved quality on wall / over rough surface.	2.1	Sqm	51.22	107.56	MSR2022
8	Finishing the sides with waterproof cement paint of approved quality on new work (three or more coat) to give an even shade.	2.1	Sqm	81.01	170.12	MSR2022
9	Lettering with black Japan paint (3 cm height letter for GPS Reading and Fore-bearing and Back-bearing about 30 letter)	90	cm ht	52.2	4698.00	MSR2022
10	Transportation of stone chip and sand to last motorable point for an average road distance of 20 Km.(0 +39.5 Km)/2	0.405	Cum	1122.56	454.64	MSR2022
11	Transportation of cement to last motorable point for an average road distance of 20 Km.(0 +39.5 Km)/2	0.131	tonne	12407.3	1625.36	MSR2022
12	Transportation of the construction materials in the site of erection from the motorable road by head load	1	mdy	500	500.00	MSR2022

16074.96

Add 10% Cost index over the Rate of 2022

1607.50

Add 12% GST.

1929.00

Add 1% Labour Cess

160.75

  
**Divisional Forest Officer**  
**Money Forest Division**  
**Government of Manipur**

Add not exceeding 3% Contingency

19772.20

593.17

20365.37

Estimated cost for 627 boundary demarcation pillars.

12769085.94

(Rupees One Crore twenty seven lakh sixty nine thousand and eighty six) only.



Divisional Forest Officer  
Noney Forest Division  
Government of Manipur



### Analysis for Quantity of materials for Cement Mortar works.

Sl. No	P/L cement cement concrete in columns piers...etc. excluding the cost of centering and shuttering.	Unit	Agrega te cum	Sand cum	Cemen t MT
b.	1: 1.5:3 (1 c: 1.5 c/s:3 g/st/agg.20 mm)	3 cum	2.55	1.2	1.21
	For one boundary Pillar @1: 1.5:3 (1 c: 1.5 c/s:3 g/st/agg.20 mm)	0.324	0.275	0.1296	0.131

### Analysis for Carriage Charge of materials by mechanical transport including loading ,

Particular of Items of transportation.		For 5 km	For addl 1 km beyond 5 km upto 10 km	For addl 1 km beyond 10 km	Total	Remarks
	Qty	Rs	Rs	Rs	Rs	
1.11 b. i)						
Sand, stone aggregate below 40 mm nominal size	1 cum	242.7	18.19 x 5	14.08 x 88.70	1248.9	Taking the mean of 35 km distance from the nearest town in Imphal-Jiribam Road
1.12 b. ii)						
Cement mortar for the boundary pillar.	1 MT	183.2	13.72 x 5	10.63 x 88.70	942.9	do

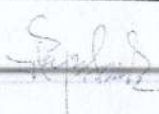


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**Construction of 627 nos RCC Boundary pillars for demarcation of NH 37 package V Imphal-Jiribam at spacing of about 100 metre between two boundary pillars.**

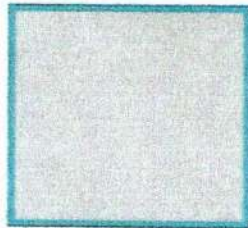
Sl. No.	Item of works	No	Unit	Length	Breadth	Depth	Qty	Remarks
1	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottom lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed in Hard/Dense soil	1	Cum	0.8	0.6	1.2	0.576	
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre.	1/3 of Item No 1.					0.192	
3	a. Reinforcement for RCC work i/c binding & Placing in position complete 10 mm @ 0.62 Kg/Rm.	6	Kg	2.7			10.044	
	b. Reinforcement for RCC work i/c binding & Placing in position complete 6 mm @ 0.22 Kg/Rm.	8	Kg	1.4			2.464	
	<b>Sub-Total</b>						<b>12.508</b>	
4	Providing form works i/c cantering & shuttering & propping etc. height of propping & cantering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in column, pillars, post and struts etc.	2	Sqm	0.5	0.3	2.7	4.32	
5	Reinforced cement concrete work in column, pillars, piers, abutments, posts & struts up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in 1:1.5:3 ( 1 cement: 1.5 coarse sand: 3graded stone aggregate 20 mm nominal size)	1	Cum	0.4	0.3	2.7	0.324	
6	Finishing with 12 mm cement plaster 1:3 ( 1 cement: 3 fine sand) on rough surface.	2	Sqm	0.4	0.3	1.5	2.1	
7	Applying one coat cement primer of approved quality on wall / over rough surface on part of pillar above the ground.	2	Sqm	0.4	0.3	1.5	2.1	
8	Finishing the sides with waterproof cement paint of approved quality on new work (three or more coat) to give an even shade on part of pillar above the ground.	2	Sqm	0.4	0.3	1.5	2.1	
9	Lettering with black Japan paint (3 cm height letter for GPS Reading, Fore-bearing and Back-bearing 30 letters)	30	per letter/cm ht.			3	90	
10	Transportation of stone aggregate and sand to last motorable point for an average road distance of 20 Km. (0.0765 +0.036) cum	0.405	Cum				0.405	
11	Transportation of cement to last motorable point for an average road distance of 20 Km.(0.131 MT)	0.131	Tonne				0.131	

  
 Divisional Forest Officer  
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 Government of Manipur



# Erection of Permanent Survey Pillars

Imphal-Jiribam NH 37 Road Package-V



Foundation Footing  
80 cm X 60 cm

Plan for Foundation footing



30 cm X 40 cm

G.L.

1.20 Rm

Cross-sectionional View.



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